APPENDIX A.   DATA TABLES

❏ Appendix A1. Calculation of Reconstituted Whole-body Tissue for Crab and Fish

❏ Appendix A2. Fish and Crab Tissue Chemistry Data Tables (attached Excel file)

Appendix A1.
Calculation of Reconstituted Whole-body Tissue for Crab and Fish

Reconstituted whole-body crab tissue concentrations will be calculated using Equation 1:

$$C_{WB} = \left(C_{hepatopancreas} \times f_{hepatopancreas}\right) + \left(C_{ediblemeat} \times f_{ediblemeat}\right)$$ **Equation 1**

Where:

C_{WB} = estimated whole-body tissue concentration

$C_{hepatopancreas}$ = hepatopancreas tissue concentration

$F_{hepatopancreas}$ = average fraction of whole-body weight that is hepatopancreas (average hepatopancreas weight fraction of individual crab that are included in composite sample)

$C_{edible\ meat}$ = edible meat concentration

$F_{edible\ meat}$ = average fraction of whole-body weight that is edible meat (average edible meat fraction of individual crab that are included in composite sample)

Reconstituted whole-body English sole concentrations will be calculated using the following equation:

$$C_{WB} = \left(C_{fillet} \times F_{fillet}\right) + \left(C_{remainder} \times F_{remainder}\right)$$ **Equation 2**

Where:

C_{WB} = estimated whole-body tissue concentration

C_{fillet} = fillet tissue concentration

F_{fillet} = average fraction of whole-body weight that is fillet (average fillet weight fraction of individual English sole that are included in composite sample)

$C_{remainder}$ = remainder tissue concentration

$F_{remainder}$ = average fraction of whole-body weight that is remainder (average remainder fraction of individual English sole that are included in composite sample)

For reconstituted whole-body concentrations that include a non-detected value for at least one tissue type composite, the non-detected value(s) will be represented in the calculation by one-half the detection limit; the final reconstituted whole-body result will be treated as a detected result. In cases where all tissue type composites are non-detected values, the final reconstituted whole-body result will be assigned a U-qualifier (no detected results), and the weighted sum of the detection limits for the two components will be used to represent the non-detected whole-body concentration.

Table A1-1. Paired samples – crab

Calculated Whole-body Crab Composite	Edible Meat Composite	No. Specimens in Composite	Mean Specimen Mass (g)	Edible Meat Ratio	Hepatopancreas Composite	No. Specimens in Composite	Mean Specimen Mass (g)	Hepatopancreas Ratio
LDW17-DCWB-comp01	LDW17-DCEM-comp01	3	151.1	72.9%	LDW17-DCHP-comp01	3	56.3	27.1%
LDW17-DCWB-comp02	LDW17-DCEM-comp02	3	143.5	62.7%	LDW17-DCHP-comp02	3	85.3	37.3%
LDW17-DCWB-comp03	LDW17-DCEM-comp03	3	141.1	71.9%	LDW17-DCHP-comp03	3	55.2	28.1%
LDW17-R1-GCWB-comp01	LDW17-R1-GCEM-comp01	7	41.5	81.2%	LDW17-R1-GCHP-comp01	14	9.6	18.8%
LDW17-R1-GCWB-comp02	LDW17-R1-GCEM-comp02	7	35.2	78.6%	LDW17-R1-GCHP-comp01	14	9.6	21.4%
LDW17-R1-GCWB-comp03	LDW17-R1-GCEM-comp03	7	32.1	76.2%	LDW17-R1-GCHP-comp02	14	10.0	23.8%
LDW17-R1-GCWB-comp04	LDW17-R1-GCEM-comp04	7	30.3	75.1%	LDW17-R1-GCHP-comp02	14	10.0	24.9%
LDW17-R1-GCWB-comp05	LDW17-R1-GCEM-comp05	7	33.9	72.0%	LDW17-R1-GCHP-comp03	14	13.2	28.0%
LDW17-R1-GCWB-comp06	LDW17-R1-GCEM-comp06	7	33.1	71.5%	LDW17-R1-GCHP-comp03	14	13.2	28.5%
LDW17-R2-GCWB-comp01	LDW17-R2-GCEM-comp01	7	31.5	74.9%	LDW17-R2-GCHP-comp01	14	10.6	25.1%
LDW17-R2-GCWB-comp02	LDW17-R2-GCEM-comp02	7	27.2	72.0%	LDW17-R2-GCHP-comp01	14	10.6	28.0%
LDW17-R2-GCWB-comp03	LDW17-R2-GCEM-comp03	7	34.5	80.6%	LDW17-R2-GCHP-comp02	14	8.3	19.4%
LDW17-R2-GCWB-comp04	LDW17-R2-GCEM-comp04	7	24.8	75.0%	LDW17-R2-GCHP-comp02	14	8.3	25.1%
LDW17-R2-GCWB-comp05	LDW17-R2-GCEM-comp05	7	26.4	71.5%	LDW17-R2-GCHP-comp03	14	10.6	28.6%
LDW17-R2-GCWB-comp06	LDW17-R2-GCEM-comp06	7	28.1	72.7%	LDW17-R2-GCHP-comp03	14	10.6	27.3%

Table A1-2. Paired samples – fish

Calculated Whole-body Fish Composite	Fillet Composite	No. Specimens in Composite	Mean Specimen Mass (g)	Fillet Ratio	Remainder Composite	No. Specimens in Composite	Mean Specimen Mass (g)	Remainder Ratio
LDW17-R1-ESWB-comp01	LDW17-R1-ESFL-comp01	10	48.8	33.1%	LDW17-R1-ESRM-comp01	10	98.4	66.9%
LDW17-R1-ESWB-comp02	LDW17-R1-ESFL-comp02	10	45.9	33.3%	LDW17-R1-ESRM-comp02	10	91.9	66.7%
LDW17-R1-ESWB-comp03	LDW17-R1-ESFL-comp03	10	44.7	30.2%	LDW17-R1-ESRM-comp03	10	103.2	69.8%
LDW17-R1-ESWB-comp04	LDW17-R1-ESFL-comp04	10	39.5	27.2%	LDW17-R1-ESRM-comp04	10	105.8	72.8%
LDW17-R1-ESWB-comp05	LDW17-R1-ESFL-comp05	10	56.1	37.3%	LDW17-R1-ESRM-comp05	10	94.2	62.7%
LDW17-R1-ESWB-comp06	LDW17-R1-ESFL-comp06	10	52.8	32.8%	LDW17-R1-ESRM-comp06	10	108.2	67.2%
LDW17-R2-ESWB-comp01	LDW17-R2-ESFL-comp01	10	64.5	31.1%	LDW17-R2-ESRM-comp01	10	143.1	68.9%
LDW17-R2-ESWB-comp02	LDW17-R2-ESFL-comp02	10	64.2	38.9%	LDW17-R2-ESRM-comp02	10	101.0	61.1%
LDW17-R2-ESWB-comp03	LDW17-R2-ESFL-comp03	10	65.3	32.6%	LDW17-R2-ESRM-comp03	10	135.3	67.4%
LDW17-R2-ESWB-comp04	LDW17-R2-ESFL-comp04	10	80.2	32.8%	LDW17-R2-ESRM-comp04	10	164.5	67.2%
LDW17-R2-ESWB-comp05	LDW17-R2-ESFL-comp05	10	62.1	30.5%	LDW17-R2-ESRM-comp05	10	141.5	69.5%
LDW17-R2-ESWB-comp06	LDW17-R2-ESFL-comp06	10	59.5	34.2%	LDW17-R2-ESRM-comp06	10	114.7	65.9%